

CERTIFICATE OF MAIL

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 22, 2005.

Kym Moore

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Date: December 22, 2005

Kyusik SIN, et al.

Confirmation No: 5517

Serial No.: 09/828,635

Group Art Unit: 1773

Filed: April 5, 2001

Examiner: Bernatz, Kevin M.

For: SPIN VALVE SENSORS HAVING SYNTHETIC ANTIFERROMAGNET FOR
LONGITUDINAL BIAS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. §1.97

Sir:

Pursuant to 37 C.F.R. §1.97 and §1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. The Examiner is requested to make these documents of record. This Information Disclosure Statement is being submitted:

- With copies.
- Without copies. Copies of the documents were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial No. **, filed **. This protocol conforms with 37 C.F.R. §1.98(d) and M.P.E.P. 609 (A)(2).
- This Information Disclosure Statement is being submitted with only copies of non-U.S. patent publication(s) and non-patent literature. This protocol conforms with 37 CFR 1.98(a)(2)(i), which waives the requirement for submitting a copy of each cited U.S. Patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003.

- The documents listed on the attached Form PTO-1449 were cited in a Search Report directed to a counterpart international or foreign application.
- With the application; accordingly, no fee or separate requirements are required.
- Within three months of the application filing date, or before mailing of a first Office Action on the merits.
- Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
- After receipt of a first Office Action on the merits, but before the mailing date of a Final Office Action under §1.113, or a Notice of Allowance §1.311. Accompanied by one of:
 - Certification under 37 CFR §1.97(e); **or**
 - The fee set forth in §1.17(p)
- After mailing of a final Office Action or Notice of Allowance, but on or before payment of the issue fee. Accompanied by:
 - Certification under 37 CFR §1.97(e); **and**
 - The fee set forth in §1.17(p)
- A Certification under 37 C.F.R. §1.97(e) is provided below:
 - I hereby certify that each item of information was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
-or-
 - I hereby certify that no item of information was cited in a communication from a foreign patent office in a counterpart foreign application or, to the best of my knowledge after making a reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

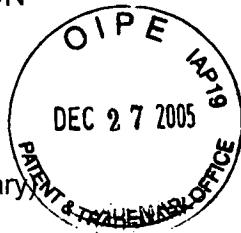
Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein. If any unresolved issues remain, please contact Applicant's attorney at the telephone number indicated below.

Respectfully submitted,

December 22, 2005
Date

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FORM PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		K35R1681/3480P	09/828,635
(Use several sheets if necessary)		APPLICANT: Kyusik SIN, et al.	
		FILING DATE: 04/05/2001	GROUP: 1773



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
	6,201,673	03/13/2001	Rottmayer et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.